

OPTIONAL INFORMATION	
Name of School:	Date of Inspection:
Vocational Program/Course/Room:	Signature of Inspector:

## **STANDPIPE AND HOSE FIRE PROTECTION SYSTEMS**

### **SELF INSPECTION CHECKLIST**

**Guidelines:** This checklist covers some of the regulations issued by the U.S. Department of Labor - OSHA under 29 CFR 1910.158 which were adopted by reference and the New Jersey Department of Community Affairs State Fire Prevention Code N.J.A.C. 5:18-3. The OSHA regulations apply only to Class II and Class III standpipe systems with hoses which are intended to be used by school personnel to fight incipient fires. NJDCA regulations apply to all standpipe systems. The installation of standpipe and hose fire protection systems is generally controlled by the building code in effect at the time of first occupancy. Definitions of underlined terms are provided at the end of the checklist to help you understand some of the questions. **The questions most likely not the responsibility of the individual teacher are marked with an asterisk (\*).**

Regulations dealing with standpipe water supply and testing requirements have not be included as part of this checklist. Please consult the OSHA and NJDCA regulations for additional information.

Please Circle

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| 1. Are fire department connections to <u>standpipes</u> labeled "Standpipes" on metal signs with raised letters at least 1 inch in size? [N.J.A.C. 5:18-3.4(a)4] | Y N N/A DK |
| 2.* Are <u>standpipe</u> fire lines tested at least every five years? [N.J.A.C. 5:18-3.4(c)3]  | Y N N/A DK |

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| 3. | Are dry <u>standpipe</u> stations marked with a sign reading "Dry Hose - Fire Department Use Only" with letters not less than 2 inches high, in a color which contrasts with the background color? [N.J.A.C. 5:18-3.4(d)3]   | Y N N/A DK |
| 4. | If <u>standpipe</u> stations are enclosed in cabinets, is access to the cabinet unobstructed and is the cabinet clearly visible? [29 CFR 1910.158(c)(1) and N.J.A.C. 5:18-3.4(d)4]   | Y N N/A DK |
| 5. | If <u>standpipe</u> stations are enclosed in cabinets with opaque doors, are doors unlocked and are cabinet contents indicated on the outside? [N.J.A.C. 5:18-3.4(d)5i]  | Y N N/A DK |
| 6. | When <u>standpipe</u> stations are enclosed in <b>locked</b> cabinets and doors are equipped with approved visual identification clear glass panels, are glass panes easily broken; is the door capable of being opened when the glass panel is broken; is the unlocking handle painted red; is the direction the handle must be pushed or pulled indicated to open the door; and is the door labeled "Fire Equipment-In Case of Fire Break Glass and Operate Red Handle?" [N.J.A.C. 5:18-3.4(d)5ii] | Y N N/A DK |
| 7. | When <u>standpipe</u> stations are enclosed in <b>locked</b> cabinets and doors are completely glass, is door labeled "In Case of Fire Break Glass?" [N.J.A.C. 5:18-3.4(d)5iii]  | Y N N/A DK |
| 8. | Are <u>Class II</u> and <u>Class III</u> hose outlets and connections located high enough above the floor to avoid being obstructed and make them easily accessible? [29 CFR 1910.158(c)(2)(i)]  | Y N N/A DK |
| 9. | Are <u>Class II</u> and <u>Class III</u> <u>standpipe</u> hose systems located and protected against mechanical damage? [29 CFR 1910.158(b)]   | Y N N/A DK |

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| 10.* | Are damaged <u>standpipe</u> systems repaired promptly? [29 CFR 1910.158(b)]   | Y | N | N/A | DK |
| 11.  | Where reels and cabinets are used, are they conspicuously identified for use by fire fighting personnel only? [29 CFR 1910.158(c)(1)]  | Y | N | N/A | DK |
| 12.* | Are standardized screw threads or appropriate adapters applied throughout the system to assure the hose connections are compatible with those used on supporting fire equipment? [29 CFR 1910.158(c)(2)(ii) and N.J.A.C. 5:18-3.4(a)5] | Y | N | N/A | DK |
| 13.  | Is every hose outlet 1-1/2 inches or smaller equipped with a hose ready for use? [29 CFR 1910.158(c)(3)(i)]  | Y | N | N/A | DK |
| 14.  | Is the <u>standpipe</u> hose system equipped with shut off type nozzles? [29 CFR 1910.158(c)(4)]   | Y | N | N/A | DK |
| 15.* | Are valves in the main piping connection to the automatic sources of water supply kept fully open at all times except during repair? [29 CFR 1910.158(e)(2)(ii)]   | Y | N | N/A | DK |
| 16.* | Is the hose system inspected at least annually and after each use to assure that all the equipment and hoses are in place, available for use, and in serviceable condition? [29 CFR 1910.158(e)(2)(iii)]                               | Y | N | N/A | DK |
| 17.* | When the system or any portion of it is found not to be serviceable, is it removed from service immediately and replaced with equivalent protection, such as extinguishers and fire watches? [29 CFR 1910.158(e)(2)(iv)]               | Y | N | N/A | DK |

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| 18.* Is hemp or linen hose on existing systems unracked, physically inspected for deterioration, and reracked using a different fold pattern at least annually? [29 CFR 1910.158(e)(2)(v)] | Y N N/A DK |
| 19.* Are trained people designated to conduct inspections required under this section? [29 CFR 1910.158(e)(2)(vi)]   | Y N N/A DK |
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Definitions:

Class I standpipe systems means a 2 1/2" hose connection for use by fire departments and those trained in handling heavy fire streams.

Class II standpipe systems means a 1 1/2" hose system which provides a means for the control or extinguishment of incipient stage fires.

Class III standpipe systems means a combined system of hose which is for the use of in-house personnel trained in the use of hose operations and which is capable of furnishing effective water discharge during the more advanced stages of fire (beyond the incipient stage) in the interior of workplaces. Hose outlets are available for both 1 1/2" and 2 1/2" hose.

Incipient stage fire means a fire which is in the initial or beginning stage and which can be controlled or extinguished by portable fire extinguishers, Class II standpipe or small hose systems without the need for protective clothing or breathing apparatus.

Standpipe means a wet or dry pipe line, extending from the lowest to the topmost story of a building or structure, equipped with a shutoff valve with hose outlets at every story.

Comments/Corrective Action
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